

with the remains of this and other individuals of the same species.

EXPLANATION OF PLATE I., Figs. 1 a-1 l.

Fig. 1 a. *Pentacrinus Fisheri*, natural size; 1 b, detached head of a larger specimen; 1 c, plan of arrangement of plates composing the calyx of a larger specimen (natural size), showing articulating surface of ramules; 1 d, joints from the upper part of the column; 1 e, part of ditto, enlarged; 1 f, articulating surface of ditto; 1 g, portion of column, of still larger diameter, nat. size; 1 h, part of ditto, enlarged; 1 i, articulating surface of ditto; 1 j, portion of the column, enlarged, showing fragments of the ramules articulated to one of the joints; 1 k, two plates from the upper part of the rays, showing a double ridge; 1 l, one of the pinnules.

VII.—On a new *Species of Solarium from the Upper Greensand, near Dorchester*. By W. H. BAILY, F.G.S.

Class MOLLUSCA. Order GASTEROPODA.

Fam. Littorinidæ.

Solarium Binghami, Baily, n. sp. Pl. I. fig. 2 a.

S. testa parva discoïdea-depressa; spira prope plana; anfractibus (6) clathratis, marginibus bicarinatis tuberculatis, umbilico magno profundo margine tuberculosa ornato; apertura angulosa.

Diagnosis.—Shell small, discoidal; spire nearly flat, consisting of six whorls, their margins bicarinated and ornamented with varices or tubercles; whorls decussated with longitudinal and transverse lines; umbilicus large and deep, its margin being ornamented with a row of tubercles gradually decreasing in size; mouth angular.

Dimensions.—Elevation $\frac{2}{10}$ inch; diameter $\frac{4}{10}$.

Affinities and Differences.—This pretty little *Solarium* differs specifically from all other described forms, being distinguished from *S. moniliferum*, Michelin, by its very depressed spire and large, deep umbilicus; and from *S. albensis*, D'Orbigny, by its depressed spire and reticulated sculpturing. Its nearest affinity, however, is with these, and more remotely with *S. ornatum*, Fitton,—all species from the Gault, the two former being from foreign localities, the latter a British species.

Locality and Stratigraphical Range.—This beautifully preserved specimen was collected from the Upper Greensand at Bingham's Melcombe, near Dorchester, by the Rev. C. W. Bingham, a gentleman who has enriched the Museum of that town with many contributions, and to whom I have much pleasure in dedicating it.

EXPLANATION OF PLATE I., Figs. 2 a-2 c.

Fig. 2 a. Side view of *Solarium Binghami*, natural size; 2 b, the same, magnified 3 diameters; 2 c, upper surface of the same; 2 d, under surface of the same.